

ABSTRACT OF THE DISCLOSURE

A device for measuring breath alcohol has a mouthpiece (1) for picking up the exhaled respiratory gas volume flow of a person to be measured. The mouthpiece has a flow diaphragm (3). A pressure sensor (4) is connected via a first gas line to the mouthpiece (1) upstream of the flow diaphragm (3). A breath alcohol sensor (10) is connected via a inlet channel (6) to the mouthpiece (1) downstream of the flow diaphragm (3) and via a second gas line (11) to a sampling system (7, 8, 9) for a respiratory gas sample from the respiratory gas volume flow. An evaluation and control unit (5) receives the measured signals of the pressure sensor (4) and of the breath alcohol sensor (10) and actuates the sampling system (7, 8, 9). The sampling system (7, 8, 9) is designed such that two respiratory gas samples are fed, in a time sequence, into the breath alcohol sensor (10), whereby the volume of the first respiratory gas sample is at most 40% of the volume of the second one.